

Converting Colors

CIELCh(85, 32.330, 102.388)

Have a look what the booklet for
CIELCh(85, 32.330, 102.388)
contains.

CIELCh(85, 32.304, 102.402)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(85, 32.304, 102.402)

Conversions

Conversions Part 1

Format	Color
Hex	DDD698
RGB	221, 214, 152
RGB Percent	87%, 84%, 60%
CMY	0.1318, 0.1592, 0.4024
CMYK	0.00, 0.03, 0.31, 0.13
HSL	54°, 51%, 73%
HSV	54°, 31%, 87%
XYZ	59.7858, 66.0070, 39.4563
YIQ	209.0250, 24.0740, -17.7980

Conversions

Conversions Part 2

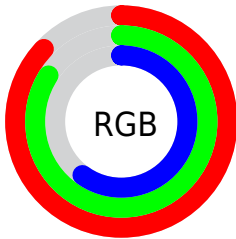
Format	Color
RYB	160, 221, 152
Decimal	14538392
CIELab	85.00, -6.94, 31.55
CIELCh	85, 32.304, 102.402
Yxy	66.0070, 0.3618, 0.3994
Android (android.graphics.Color)	4292728472 (0xFFDDD698)
YUV	209.0250, -28.1133, 10.5021
Hunter-Lab	81.2447, -10.8249, 28.0772

Details

The CIELCh color **85, 32.304, 102.402** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **67, 34.280, 289.895**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 24.233, 108.340**, and **65, 32.280, 102.080** is the 20% darker color. If you saturate the color by 10%, you get **84, 42.424, 101.323**, and if you desaturate by 10%, it is **86, 21.998, 103.489**.

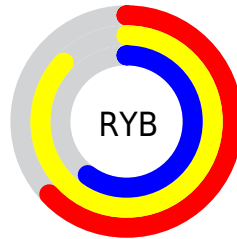
Distribution



Red (87%)

Green (84%)

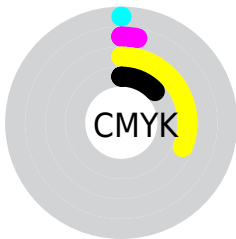
Blue (60%)



Red (63%)

Yellow (87%)

Blue (60%)

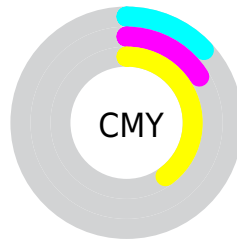


Cyan (0%)

Magenta (3%)

Yellow (31%)

Black (13%)



Cyan (13%)


Magenta (16%)


Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 32.304, 102.402 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 85, 32.304, 102.402 by changing the saturation by 10% instead.


 85, 32.304,
102.402


 85, 32.304,
102.402


 100, 32.304,
102.402


 75, 32.304,
102.402

 65, 32.304,
102.402

 55, 32.304,
102.402

 45, 32.304,
102.402

 35, 32.304,
102.402

 25, 32.304,
102.402

 15, 32.304,

102.402

■ 5, 32.304, 102.402

■ 0, 32.304, 102.402

■ 85, 32.304,
102.402

■ 85, 32.304,
102.402

■ 84, 42.424,
101.323

■ 86, 21.998,
103.489

■ 83, 52.169,
100.256

■ 87, 11.611,
104.555

■ 82, 61.249, 99.223

■ 88, 1.212, 105.518

■ 82, 69.217, 98.243

■ 89, 9.159, 286.642

■ 81, 75.479, 97.332

■ 90, 15.303,
286.076

■ 80, 79.427, 96.493

■ 91, 14.198,
282.481

■ 80, 81.040, 95.795

■ 91, 13.158,
278.314

■ 92, 12.198,
273.481

■ 93, 11.339,
267.889

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



85, 32.304, 102.402



67, 34.280, 289.895

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85, 32.304, 102.402



85, 32.304, 152.402



85, 32.304, 282.402



85, 32.304, 332.402

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



85, 32.305, 102.406



99, 10.482, 104.776



70, 27.689, 13.134



53, 7.285, 104.622



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



85, 32.305, 102.406



96, 42.865, 101.743



85, 37.149, 123.278



46, 5.850, 104.739



64, 67.599, 95.920



16, 23.972, 98.264

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



67, 34.280, 289.895



72, 46.168, 290.980



68, 39.274, 306.726



43, 5.954, 286.792



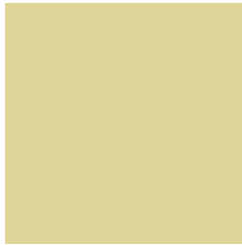
22, 95.185, 304.853



3, 27.522, 292.665

Previews

White Background



This preview shows how the CIELCh color 85, 32.304, 102.402 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 85, 32.304, 102.402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

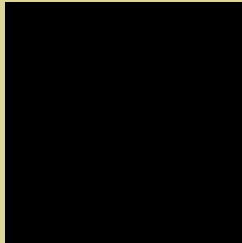
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

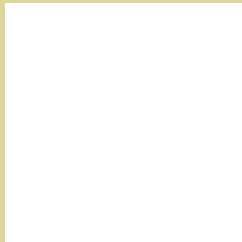
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 32.304, 102.402

Background



This preview shows how black text looks on a background with the CIELCh color 85, 32.304, 102.402.



This preview shows how white text looks on a background with the CIELCh color 85, 32.304, 102.402.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color
85, 32.304, 102.402

Protanopia
85, 32.486, 95.220

Deuteranopia
85, 32.194, 70.604



Tritanopia
85, 12.737, 335.839

Trichromacy



Original Color
85, 32.304, 102.402

Protanomaly
85, 32.139, 98.059

Deuteranomaly
85, 30.927, 82.125

Tritanomaly
85, 9.181, 58.568

Monochromacy



Original Color
85, 32.304, 102.402

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 12.105, 103.752

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 32.304, 102.402 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(221, 214, 152)` looks like.

```
.text, #text, p{  
    color:rgb(221, 214, 152)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(221, 214, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 214, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 32.304, 102.402 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(221, 214, 152) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(221, 214, 152) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(221, 214, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 214, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 214, 152);  
box-shadow:4px 4px 4px 4px rgb(221, 214,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 32.304, 102.402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 214, 152) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(221,  
214, 152) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor